FEDERAL ITEM IDENTIFICATION GUIDE

ACTUATORS, ELECTRO-MECHANICAL

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

Index of Master Requirement Codes

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ACTUATOR, ELECTRO-MECHANICAL, LINEAR	10957	A

A self-contained power transmitting device designed to convert electrical energy into controlled mechanical force, in the form of linear (straight line) mechanical movement. Comprised of an electric motor(s), gear box(es), screwjacks, limit switch(es), and such accessories as required for the specific moving and positioning of other components. Excludes hydraulic and pneumatic cylinders and screwjacks.

ACTUATOR, ELECTRO-MECHANICAL, ROTARY	11006	B

A self-contained power transmitting device designed to convert electrical energy into controlled mechanical force, in the form of torque (rotational mechanical movement). Comprised of an electric motor(s), gear box(es), limit switch(es), and such accessories as required for the specific moving and positioning of other components. Excludes hydraulic and pneumatic cylinders and screwjacks.

ACTUATOR, ELECTRO-PNEUMATIC	37186	C

A self-contained power transmitting device designed to convert compressed air into controlled mechanical force, in the form of linear (straight line) and/or torque (rotational) mechanical movement. Contains a cylinder, piston, lever, electric solenoid and the like and accessories as required for the specific moving and positioning of other components. Excludes ACTUATOR LINEAR, AIR TURBINE DRIVEN.

ACTUATOR, LINEAR, AIR TURBINE DRIVEN	60004	A

A self-contained power transmitting unit, consisting of an air turbine, gear assembly, ball nut and screw assembly, and control valves. May include power take-off. Designed to convert air pressure to mechanical force in the form of linear mechanical movement.

ACTUATOR, MECHANICAL, NONAIRCRAFT	53015	E

A mechanical power-transmitting device, not for aircraft application, designed to create controlled force in the form of linear or rotational movement. Excludes ACTUATOR, MECHANICAL, AIRCRAFT..

BALLSCREW ASSEMBLY	45074	A

A self-contained power transmitting device designed to convert rotary motion to linear (straight line) mechanical movement. Must be comprised of a ball nut, pillow block(s), screw shaft and such accessories as required for the specific moving and positioning of other components.

Approved Item Name	INC	App Key
CONNECTOR ASSEMBLY, ELECTRICAL-FLUID PRESSURE	37475	D

An item which has integral connections for electrical power and fluid pressure. It provides a continuation of power and pressure during the rotation of a bucket, cupola or turret. It usually is mounted in the axial center below the center line of the rotating unit. It may provide passages for fluid in the non-power state, such as ventilatory air in a closed system. It may not provide separate functions if disassembled. Excludes RING, ELECTRICAL CONTACT.

APPLICABILITY KEY INDEX

	A	B	C	D	E
NAME	X	X	X	X	X
APGF			X		
ACDC	X	X	X	X	
ELEC	AR	AR	AR	AR	
FREQ	AR	AR	AR	AR	
FAAZ	AR	AR	AR	AR	
AMPS	AR	AR	AR	AR	
AKPS	X	X	X	X	X
AYEK	AR	AR	AR	AR	AR
AWTA	AR		AR		
AWTC	AR		AR		
AMWL	X		AR		X
AWTE	AR		AR		
AKCT		X	AR		
AKCV		X	AR	X	X
AEQC		X	AR		
AWTZ		X	AR		
AWQL		X	AR		
AWQM		AR	AR	AR	
ATXA		AR	AR		
ATWS	AR	AR	AR	AR	
AWQN	AR	AR	AR	AR	
ABJH	AR	AR	AR	AR	
AWQP	AR	AR	AR	AR	
AKAE	AR	AR	AR		
AWQQ	AR	AR	AR		
AWQR	X	X	X		
AARB	X	X	X	X	
AZGM	AR	AR	AR	AR	AR
ADAQ	X	X	X	X	X
ADAT	AR	AR	AR	AR	AR
ADAU	AR	AR	AR	AR	AR
ABPM	AR	AR	AR	AR	AR
ADZC	AR	AR	AR	AR	AR
FEAT	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR
AARG	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR

AFJP	AR	AR	AR	AR	AR
AFJN	AR	AR	AR	AR	AR
AFJQ	AR	AR	AR	AR	AR
AHZX	AR	AR	AR	AR	AR
CSYL	AR	AR	AR	AR	AR
AWJN	AR	AR	AR	AR	AR
CBME	AR	AR	AR	AR	AR
ACSY	AR	AR	AR	AR	AR
AEEE	AR	AR	AR	AR	AR
AEEF	AR	AR	AR	AR	AR
AFJM	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR

SECTION I

APP Key	MRC	Mode Code	Requirements

ALL

NAME D ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED10957*)

C

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDAMY*)

REPLY CODE	REPLY (AK54)
AMY	LINEAR
FSU	LINEAR/ROTARY
AMZ	ROTARY

A, B, C, D

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS ELEC, FREQ, FAAZ, AND AMPS: IF REPLY CODE B IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC, FREQ, FAAZ AND AMPS. IF REPLY CODE C IS ENTERED FOR MRC ACDC, REPLY TO MRCS ELEC AND AMPS.

A*, B*, C*, D* (See Note Above)

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB12.0*)

If multiple voltages are given for the same type of current, use AND coding ($$) entering values in ascending order. If the multiple voltages given represent AC and DC current, use AND coding ($$) entering the AC value(s) first, regardless of value. (e.g., ELECB110.0$$B440.0*)

A*, B*, C*, D* (See Note Preceding MRC ELEC)

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB50.0*; FREQB50.0$$B400.0*)

A*, B*, C*, D* (See Note Preceding MRC ELEC)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g.,FAAZDC*; FAAZDA$$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

A*, B*, C*, D* (See Note Preceding MRC ELEC)

AMPS B CURRENT RATING IN AMPS

APP Key	MRC	Mode Code	Requirements

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB1.5*; AMPSB1.5$$B3.0*)

ALL

AKPS D DUTY CYCLE

Definition: THE WORKING PERIOD UNDER WHICH THE ITEM WAS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKPSDAAE*; AKPSDAAE$DAAD*)

REPLY CODE	REPLY (AD63)
AAB	ADJUSTABLE
AAE	CONTINUOUS
AAF	INTERMITTENT
AAD	VARIABLE

NOTE FOR MRC AYEK: IF Reply Code AAB OR AAF IS ENTERED FOR MRC AKPS, REPLY TO MRC AYEK.

ALL* (See Note Above)

AYEK J INTERMITTENT OPERATION DUTY CYCLE

Definition: THE MAXIMUM OPERATING ON TIME AND THE MINIMUM OFF TIME FOR A COMPLETE CYCLE OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., AYEKJEMCP4.0$$JEMBM6.0*; AYEKJARAP35.0$$JBPAM4.5*)

Table 1

REPLY CODE	REPLY (AB49)
EM	HOURS
BP	MINUTES
AR	SECONDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

Table 3

REPLY CODE	REPLY (AK45)
M	OFF
P	ON

A*, C*

AWTA J TENSION LOAD RATING

Definition: THE TENSION STRESS APPLIED TO THE ITEM UNDER LOAD CONDITIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below, followed by the numeric value. (e.g., AWTAJPAAC26.0*; AWTAJZAAC10.0*)

For items having a tolerance and both operating and static tension load ratings, use AND coding ($$). (e.g., AWTAJPBAC100.0$$JPCAC500.0; AWTAJPAAC100.0$$JPBAC500.0$$CJPCAL500.0*)*

Table 1

REPLY CODE	REPLY (AB10)
Z	DECANEWTON
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AH00)
AC	OPERATING
AL	STATIC

A*, C*

AWTC J COMPRESSION LOAD RATING

APP Key	MRC	Mode Code	Requirements

Definition: THE COMPRESSION STRESS APPLIED TO THE ITEM UNDER LOAD CONDITIONS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2 and 3 below, followed by the numeric value. (e.g., AWTCJPAAC24.0*)

For items having a tolerance and both operating and static compression load ratings, use AND coding ($$). (e.g., AWTCJPBAC26.0$$JPCAC32.0; AWTCJPAAC26.0$$JPBAC32.0$$JPCAL26.0*)*

Table 1

REPLY CODE	REPLY (AB10)
Z	DECANEWTON
K	KILOGRAMS
P	POUNDS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

Table 3

REPLY CODE	REPLY (AH00)
AC	OPERATING
AL	STATIC

A, C*, E

AMWL J STROKE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE STROKE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMWLJAA2.000*; AMWLJLA25.4*; AMWLJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

A*, C*

AWTE J RATED STROKE VELOCITY

Definition: THE RATE OF LINEAR TRAVEL PER UNIT OF TIME.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWTEJBP10.500*; AWTEJBQ25.0*; AWTEJAS2.000$$JAS2.500*)

REPLY CODE	REPLY (AG20)
BQ	CENTIMETERS PER MINUTE
AB	CENTIMETERS PER SECOND
BP	INCHES PER MINUTE
AS	INCHES PER SECOND

B, C*

AKCT D SHAFT ROTATION DIRECTION

Definition: THE DIRECTION OF ROTATION OF A ROTATING SHAFT AS VIEWED FROM THE DRIVE END.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCTDC*; AKCTDB$$DC*)

REPLY CODE	REPLY (AC84)
B	CLOCKWISE
C	COUNTERCLOCKWISE

B, C*, D, E

AKCV D DRIVE TYPE

Definition: INDICATES THE TYPE OF DRIVE FOR TURNING, ROTATING, OR POSITIONING THE MECHANISM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKCVDAC*; AKCVDAC$$DAG*; AKCVDAC$DAF*)

REPLY CODE	REPLY (AG25)
AC	DIRECT (round, splined, keyed, slotted, hex, square shaft, or recessed socket)
AF	FRICTION (belt, cord, cable, or disc)
AG	GEAR

B, C*

AEQC B OPERATING SPEED AT RATED CAPACITY IN RPM

Definition: THE SPEED OF THE DRIVE SHAFT REQUIRED TO PRODUCE THE RATED CAPACITY OF AN ITEM, EXPRESSED IN REVOLUTIONS PER MINUTE.

Reply Instructions: Enter the numeric value. (e.g., AEQCB1850.0*; AEQCB1725.0$$B3450.0*)

B, C*

AWTZ D ANGULAR SHAFT ROTATION

Definition: AN INDICATION OF THE ROTATION OF THE ANGULAR SHAFT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWTZDAE*; AWTZDAG$$DAH*; AWTZDAG$DAE*)

REPLY CODE	REPLY (AJ98)
AG	ADJUSTABLE
AE	LIMITED
AH	UNLIMITED

NOTE FOR MRC AWQL: IF REPLY CODE AG OR AE IS ENTERED FOR MRC AWTZ, REPLY TO MRC AWQL.

B, C* (See Note Above)

AWQL J ROTATION IN DEG

Definition: THE MEASUREMENT OF ROTATION, EXPRESSED IN DEGREES.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWQLJA90.0*; AWQLJB180.0$$JC360.0*)

REPLY CODE	REPLY (AJ98)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

B*, C*, D*

AWQM J OUTPUT DRIVE TORQUE RATING

Definition: THE RATED TORQUE OF THE OUTPUT DRIVE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWQMJG6.0*; AWQMJD200.0*)

REPLY CODE	REPLY (AA56)
D	CENTIMETER-GRAMS
F	FOOT-POUNDS
A	INCH-OUNCES
G	INCH-POUNDS
S	METER-KILOGRAMS
B	NEWTON-METER

B*, C*

ATXA D CLUTCH TYPE

Definition: INDICATES THE TYPE OF CLUTCH PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATXADDK*)

REPLY CODE	REPLY (AG25)
DK	ELECTROMAGNETIC
AF	FRICTION
DJ	HYDRAULIC
BR	JAW (positive engagement)
DL	OVERRUNNING (freewheeling)

APP Key	MRC	Mode Code	Requirements

A*, B*, C*, D*

ATWS D BRAKING METHOD

Definition: THE MEANS BY WHICH THE BRAKING ACTION IS APPLIED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATWSDAAE*)

REPLY CODE	REPLY (AK88)
AAE	ELECTRIC (magnetic)
AAG	MANUAL

A*, B*, C*, D*

AWQN D LIMIT SWITCH CONTROL

Definition: AN INDICATION OF WHETHER OR NOT A LIMIT SWITCH CONTROL IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWQNDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

A*, B*, C*, D*

ABJH J TEMP RATING

Definition: A VALUE WHICH EXPRESSES THE DEGREE OF HEAT OR COLD AS APPLIED TO THE OPERATION, OR LIMITATION OF OPERATION, OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. Precede negative values with an M. (e.g., ABJHJCM50.0*; ABJHJC300.0*; ABJHJC50.0$$JC95.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

APP Key	MRC	Mode Code	Requirements

A*, B*, C*, D*

AWQP D THERMAL PROTECTOR RESET METHOD

Definition: THE MEANS USED TO RESET THE THERMAL PROTECTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWQPDB*)

REPLY CODE	REPLY (AA77)
B	AUTOMATIC
C	MANUAL

A*, B*, C*

AKAE J MAXIMUM OPERATING ALTITUDE RATING

Definition: THE MAXIMUM ALTITUDE AT WHICH THE ITEM IS RATED TO FUNCTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AKAEJF30000.0*; AKAEJM900.0*)

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

A*, B*, C*

AWQQ J MAXIMUM OPERATING DEPTH RATING

Definition: THE MAXIMUM DEPTH AT WHICH THE ITEM IS RATED TO FUNCTION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWQQJF3000.0*; AWQQJM900.0*)

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

APP Key	MRC	Mode Code	Requirements

A, B, C

AWQR D MANUAL OVERRIDE

Definition: AN INDICATION OF WHETHER OR NOT A MANUAL OVERRIDE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AWQRDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

A, B, C, D

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARBDAAAH*; AARBDAAAR$$DAACF*)

REPLY CODE	REPLY (AA58)
AAAR	BINDING POST
AACF	CONNECTOR
AACG	INSULATED WIRE LEAD (pigtail)
AACR	RECEPTACLE
AACH	SCREW
AAAH	SOCKET
AAAF	SOLDER STUD
AACX	SOLDERLESS LUG
AAFT	TERMINAL LUG
AAET	WIRE LEAD W/SOLDER LUG
AAAG	WIRE LEADS

ALL*

AZGM D MOUNTING FACILITY

APP Key	MRC	Mode Code	Requirements

Definition: THE FACILITY FOR MOUNTING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AZGMDAAQ*; AZGMDAAH$$DAAN*; AZGMDAAL$DAAZ*)

ALL

ADAQ J BODY LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE BODY, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAQJAA1.000*; ADAQJLA25.4*; ADAQJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

Reply Code	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAT J BODY WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BODY, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADATJAA1.000*; ADATJLA25.4*; ADATJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

Reply Code	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAU J BODY HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE BODY, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAUJAA1.000*; ADAUJLA25.4*; ADAUJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

RRPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABPM J BODY DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABPMJAA1.000*; ABPMJLA25.4*; ABPMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADZC D ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ADZCDBQ*; ADZCDBQ$$DBV*)

REPLY CODE	REPLY (AA65)
A	ANY ACCEPTABLE
CR	DRIPPROOF
BV	DUSTPROOF
BW	EXPLOSION PROOF
GS	MOISTURE PROOF
CU	NONSPARKING
CH	PRESSURE PROOF
DL	SALT SPRAY PROOF
CK	SUBMERSIBLE
BQ	VAPOR
CC	VIBRATION
BX	WATERTIGHT

ALL*

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

APP Key	MRC	Mode Code	Requirements
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

ALL*

	SPCL	G	SPECIAL TEST FEATURES

APP Key	MRC	Mode Code	Requirements

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

AARG D RELIABILITY INDICATOR

Definition: AN INDICATION THAT THE LEVEL OF PROBABILITY THAT AN ITEM WILL OPERATE WITHOUT FAILURE, AT A SPECIFIED RATED CAPABILITY, AT A SPECIFIED TEMPERATURE, AND FOR A SPECIFIED PERIOD OF TIME, HAS BEEN ESTABLISHED BY TESTING RANDOM SAMPLES OF PRODUCTION LOT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AARGDE*)

REPLY CODE	REPLY (AA61)
E	ESTABLISHED
N	NOT ESTABLISHED

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

APP Key	MRC	Mode Code	Requirements

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

APP Key	MRC	Mode Code	Requirements

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)

ALL*

ZZZY G REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS

Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)

ALL*

CRTL A CRITICALITY CODE JUSTIFICATION

Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

PRPY A PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code. (e.g., ELRNGANN112036BIL060557LEN0313605UZ062365*)

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

APP Key	MRC	Mode Code	Requirements
	NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION III

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJP	D	SPECIAL HANDLING FEATURE

Definition: THAT UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJPDB*; AFJPDH$$DJ*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AD43)
B	CORROSIVE
D	FLAMMABLE
E	FRAGILE
H	HUMIDITY CONTROLLED
J	SHOCK PROTECTED

ALL

AFJN D FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDE*)

REPLY CODE	REPLY (AD40)
D	DELICATE
B	EXTREMELY FRAGILE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED
C	VERY DELICATE

ALL

AFJQ J STORAGE TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES AT WHICH AN ITEM CAN BE STORED WITHOUT DETRIMENTAL EFFECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values. Precede negative values with an M and positive values with a P. (e.g., AFJQJFM32.0/P50.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

APP Key	MRC	Mode Code	Requirements
ALL			
	AHZX	B	PRIME MOVER HORSEPOWER RATING

Definition: THE RATED HORSEPOWER OF THE PRIME MOVER.

Reply Instructions: Enter the numeric value. (e.g., AHZXB0.5*)

ALL

CSYL J PRIME MOVER POWER RATING

Definition: THE RATED POWER OF THE PRIME MOVER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CSYLJW750.0*)

REPLY CODE	REPLY (AC33)
S	HORSEPOWER METRIC
L	KILOWATTS
W	WATTS

ALL

AWJN J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS100.00*; AWJNJAJ40.0*)

For items indicating pounds and ounces, see Appendix C, Table 3, for conversion.

REPLY CODE	REPLY (AG67)
BA	GRAMS
AJ	KILOGRAMS
AN	OUNCES
AS	POUNDS

ALL

CBME J CUBIC MEASURE

APP Key	MRC	Mode Code	Requirements

Definition: THE MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCF27.000*; CBMEJCM8.0*)

REPLY CODE	REPLY (AN76)
CC	CUBIC CENTIMETERS
CF	CUBIC FEET
CN	CUBIC INCHES
CM	CUBIC METERS

ALL

ACSY J FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., ACSYJNL1*; ACSYJNK1$$JNR1*)

REPLY CODE	REPLY (AB87)
NH	CONDENSATION ELIMINATORS
NJ	CONTROL, AUTOMATIC TEMPERATURE
NK	FILTER, RADIO NOISE (interference, frequency, etc.)
NQ	POTENTIOMETER
NP	PUMP, HYDRAULIC
NR	RHEOSTAT
NN	SHAFT, FLEXIBLE
NL	TIMER, INTERVAL
NM	TRANSMITTER, POSITION INDICATING

ALL

AEEE A CONNECTOR MANUFACTURER CODE

Definition: THE IDENTIFYING NUMERIC CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURES THE ELECTRICAL CONNECTOR RECEPTACLE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the manufacturer's 5-digit CAGE code from Cataloging Handbook H 4-1. (e.g., AEEEA30628*)

For items with more than one connector receptacle, use AND coding ($$) entering in ascending sequence. (e.g., AEEEA30628$$A70210*)

ALL

AEEF A CONNECTOR MANUFACTURER PART NUMBER

Definition: THE IDENTIFYING PART NUMBER ASSIGNED TO THE ELECTRICAL CONNECTOR RECEPTACLE.

Reply Instructions: Enter the part number. (e.g., AEEFACR27106*)

For items with more than one connector receptacle, use AND coding ($$) entering replies in the same sequence as MRC AEEE. (e.g., AEEFA62873542$$A62873543*)

ALL

AFJM D INSPECTION FREQUENCY

Definition: THE SPECIFIED TIME INTERVAL NECESSARY TO DETECT MATERIAL DETERIORATION THAT WILL AFFECT STOCK READINESS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., AFJMDAF*)

REPLY CODE	REPLY (AD38)
AG	EIGHTEEN MONTHS FROM RECEIPT AND EVERY TWO YEARS THEREAFTER
AB	ONE YEAR FROM RECEIPT AND EVERY YEAR THEREAFTER
AH	THREE YEARS FROM RECEIPT AND EVERY THREE YEARS THEREAFTER
AF	TWO YEARS FROM RECEIPT AND EVERY FOUR YEARS THEREAFTER
AE	TWO YEARS FROM RECEIPT AND EVERY THREE YEARS THEREAFTER
AD	TWO YEARS FROM RECEIPT AND EVERY TWO YEARS THEREAFTER
AC	TWO YEARS FROM RECEIPT AND EVERY YEAR THEREAFTER

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
	Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.		
	Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		
	Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) code, followed by a dash and the identifying number of the document.		
	(e.g., ZZZPJ81337-30624A*)		
ALL			
	AGAV	G	END ITEM IDENTIFICATION
	Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.		
	Reply Instructions: Enter the applicable reply in clear text.		
	(e.g., AGAVG3930-00-000-0000*;		
	AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.
			Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

Reply Tables

Table 1 - MOUNTING PROVISIONS
MOUNTING PROVISIONS

Reply Code	REPLY (AM39)
ABD	BUSHING
ALC	FIXED
AAH	MOUNTING BRACKETS
AAJ	MOUNTING CLAMPS
AAK	MOUNTING FLANGES
AAL	MOUNTING SLOTS
AAM	OPEN END MOUNTING SLOTS
AAN	ROD END
AAP	SQUARE MOUNTING HOLES
AAR	THREADED COUNTERBORED MOUNTING HOLES
AAQ	THREADED MOUNTING HOLES
AAS	THREADED MOUNTING INSERTS
AAW	THREADED MOUNTING STUDS
AAT	THREADED, INTERNAL, MOUNTING STANDOFFS
ABA	THREADLESS MOUNTING STUDS
AAX	TRACK MOUNTING
AAY	UNTHREADED COUNTERBORED MOUNTING HOLES
AAZ	UNTHREADED MOUNTING HOLES

Table 2 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

Reply Code	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE

Reply Code	REPLY (AD08)
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION

Reply Code	REPLY (AD08)
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

FIIG Change List

FIIG Change List, Effective December 4, 2009

Removed SAC coding from MRC's AWTA. AWTC and Change to "AND" Coding.